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Adsorbent for removing harmful material from cigarette smoke

Patent Assignee: UNIV DALIAN CHEM PHYSICS CHINESE ACAD SC (UYDA-N)

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Patent Family:

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Patent Details:

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Abstract (Basic): CN 1125078 A

The adsorbent for removing harmful substances from cigarette smoke is made up by using (wt%) 60- 90% of natural or synthetic zeolite molecular sieve with low silica-alumina ratio (greater than 2.5) and 10-40% of molecular sieve with high silica-alumina ratio (greater than 40) and uniformly mixing them. Said adsorbent can be added in the filter tip of general filter-tipped cigarette according to the quantity of 0.02-0.20g/ a cigarette, so that the weight of the tar in the cigarette smoke can be reduced by above 42%, nicotine content can be reduced by above 31%, and other harmful substances, such as CO, aldehydes and arene, etc. also can be effectively removed from cigarette smoke.

Title Terms: ADSORB; REMOVE; HARM; MATERIAL; CIGARETTE; SMOKE

Derwent Class: D18; E19; E36; J01; P15

International Patent Class (Main): A24D-003/16

File Segment: CPI; EngPI

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